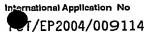
## INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H04L} \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/161322 A1 (SHAHRIER SHARIF M ET AL) 28 August 2003 (2003-08-28) abstract column 1, paragraph 4 - column 1, paragraph 8 column 2, paragraph 23 - column 2, paragraph 30 column 2, paragraph 32 - column 3, paragraph 35; claims 1,2,6,11,12,16; figures 3,8,9,11-14	1-20

Y Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of clied documents:  'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the International filing date  'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document referring to an oral disclosure, use, exhibition or other means  'P' document published prior to the international filing date but later than the priority date claimed	<ul> <li>"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  29 October 2004	Date of mailing of the international search report  05/11/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer Todorut, C

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## INTERNATIONAL SEARCH REPORT

International Application No F/EP2004/009114

FT/EP2004/009114					
.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT  ategory Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.					
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1-20 55 69,					

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## INTERNATIONAL SEARCH REPORT



Information on patent family members

International Application No T/EP2004/009114

Patent document	Publication	Patent family		Publication
cited in search report	date	member(s)		date
US 2003161322 A1	28-08-2003	CA EP WO	2466144 A1 1440591 A1 03041431 A1	15-05-2003 28-07-2004 15-05-2003